

MONTHLY MEETING
Friday October 17, 2015
7:30pm
Marriott Hotel
2600 Bishop Drive
San Ramon

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**Affiliated
 Club**



October Meeting - At PACIFICON !

Just a reminder that our monthly Club meeting this month will be held on Friday night, October 16, at the San Ramon Marriott at 1930 hours (7:30 PM) and will last until all face to face QSOs have completed!

This year the Club meeting will be a social gathering of some of PACIFICON's featured speakers, notable vendors, our fine Club membership, and hams at large. ALL ARE WELCOME and encouraged to attend!

Each person arriving will receive a small treat bag, and you will have the opportunity to acquire refreshments of various and sundry types from the well positioned bar cart in the room.

This will be a great opportunity to share a moment with your friends, make new friends, and talk about all things amateur radio related from some of the experts in the field.

Will Dickson WB6YJG, Vice-President, has worked hard to arranged for a number of interesting guests to be in attendance.

If you are attending the Digital Dinner, this would be a fun dessert course to that auspicious event!

So, come out on Friday night and support our club, have a great time, and kick off what is sure to be a spectacular PACIFICON !

73,

Jim Siemons AF6PU
 Outreach Coordinator

**When you purchase at
Amazon dot com smile, a
portion of your purchase
is donated to our club.**

**Go to:
[https://smile.amazon.com/
ch/23-7072059](https://smile.amazon.com/ch/23-7072059)**



ALL MEMBERS ARE INVITED TO JOIN
THE CLUB YAHOO GROUP.
DOWNLOAD FILES, INCLUDING *THE
CARRIER* IN **FULL COLOR** AS WELL AS
SHARE INFORMATION WITH THE
MEMBERSHIP AT:

<http://groups.yahoo.com/group/mdarc>

Mount Diablo Amateur Radio Club W6CX
P.O. Box 23222 Pleasant Hill, CA 94523
(925) 288-1730

The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

President - Mike Patterson, N6JGA
Vice President - Will Dickson, WB6YGI
Secretary - David Molstad, WB0HNY
Treasurer - Bill Swindell, K1LED

Technical Committee Chair
Jim Siemons, AF6PU

Directors At Large
Trevor Hall, WA6JAU Mitchell Boyce, W8DOD
Janice Fujii, KG6VTD Francis O'Leary, KF6FRJ

Emergency Coordinator - Ron Bunch, W4FEK

PACIFICON 2015
Chair: Trevor Hall, WA6JAU
Registration: Misa Siemons, KJ6BUE
Treasurer: Jim Siemons, AF6PU
Secretary: Pete Harris, KE6ZIW
Web Page: Mike Patterson, N6JGA

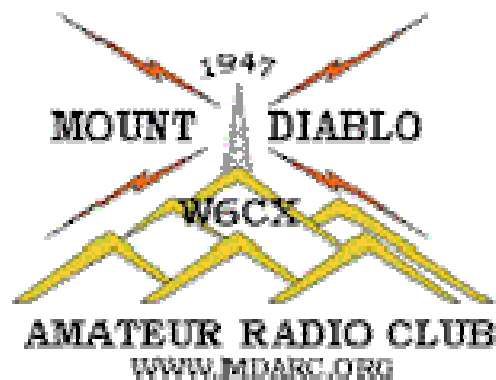
Membership Chair - Tom Deeble, KA6SIP
mdarcmembership@mdarc.org

Website - David Schild, KK6CQX
Repeater Trustee - Jay Caldis, KT6Y
Education & Training Chair - John Primus, AF6RJ
License Testing - Larry Loomer, KI6LNB
Public Service - Pete Harris, KE6ZIW
Field Day Chairs - Lauren Styles, WA6CIE and
Elizabeth Styles, KG6HLV

Refreshments: Elizabeth Styles KG6HLV
Holiday Party - Misa Siemons KJ6BUE
Trailer - Patrick Miller, KK6DBX

The Carrier Newsletter
Editor, Matthew G. Vurek, N4DLA
n4dla_cs245@yahoo.com
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Digital Media - David Molstad WB0HNY
Amateur Television Help and Information:
John Schuler, W6DTV JOHNQRZ@aol.com



October 2015

Joe Concepcion, KK6WFU

Kevin Hempson, KK6JPN

Chris White, KK6PAP

Bob White, KK6WSC

Welcome !!!

73, Tom Deeble, KA6SIP, Membership Secretary

PRESIDENT'S QTC

PACIFICON is here! Coming this weekend is one of the best ham radio conferences in the U.S., right here in our own backyard. Forums and seminars with world-class speakers; dozens of local, national and international vendors; non-profit exhibitors; a swap meet; a one-day license class; license testing; kit assembly; a 24-hour-a-day special event station; QSL card checking; a Wouff Hong ceremony; a top class banquet and much more. We've got it all, so don't miss it. See <http://www.pacificon.org/> for all the details.

We kick off the weekend on Friday, Oct. 16, with our world-famous all-day antenna seminar and in the afternoon, the first opening of the vendor hall. Saturday starts off with our annual Breakfast with Gordo. Gordon West, WB6NOA, educator, author, speaker, host of the video podcast Ham Nation and all-around great guy, will wake us up with his usual high jinks and fun demonstrations. He will then carry right on with his annual Ham Instructor Academy. Dr. Bob Heil, K9EID, follows to teach us why the Bell Labs studies of the late 20s and early 30's are so important to understand and apply to our everyday ham radio. Carole Perry is back with a Youth Leaders program that she developed at the Radio Club of America. Our neighbor out west, the Bay-Net Group, is sponsoring a Ham Radio 101/201 seminar Sunday morning, to show us the basics of what every ham needs to know. All kinds of other experts will be here. And we mustn't forget our banquet Saturday evening, with a top-notch dinner and excellent speaker. As usual, the conference will finish with the annual ARRL Pacific Division forum, where we will hear what's happening in amateur radio and the ARRL on a national scale, then have the final raffle drawing. You don't need to be an ARRL member to attend the forum. All are welcome.

Also, please remember that our monthly Club meeting will NOT be at our usual location in Lafayette. We'll have it at PACIFICON, in the San Ramon Marriott Hotel, on our usual date and time: THIS Friday, Oct. 16 at 7:30 pm. It will be an informal meet-and-greet for our PACIFICON speakers, vendors and exhibitors; to let us chat with them in a less crowded environment, ask questions and get a little preview of what we'll see and hear on Saturday and Sunday.

As hard as it may be to tear ourselves away from the anticipation of PACIFICON, your Club has been busy with other things as well. Our Public Service Committee has successfully completed all but one event. The last one for the year is early next month. Likewise, our Education and Training Committee wound up its work for the year with an excellent General Class upgrade course, giving our hobby several new Generals. They will start planning their 2016 training next month. Please contact our Committee Chair, John Primus, AF6RJ, if you would like to help us.

I've previously reported on our Technical Committee's transition to a digital format for our amateur television (ATV) transmissions. The committee is now working on getting some high quality content for the four crystal-clear channels we now have. This may include working with other groups, not necessarily ham-oriented, to provide the best programming. If you have any ideas, contact our Technical Committee chair, Jim Siemens, AF6PU.

Our annual Club elections are next month. The candidate list is published in this *Carrier*, but we can still accept nominations for any of the positions. Please consider running. We welcome self-nominations; don't hesitate to step forward and let the Committee know you're interested. Also, if you know of someone you think will be a good choice for an office, let the Committee know that, too.

A reminder that our annual MDARC Club holiday banquet will again be at Zio Fraedo's restaurant in Pleasant Hill. The date is Sunday, December 6, 2015. Because it's a work night, we're starting a little earlier than usual. Cocktail hour begins at 5:00 pm with the dinner service starting at 6:00 pm. Mark your calendar now and we'll send more details when they're available. Remember, this banquet replaces our December Club meeting. *There will not be a regular Club meeting on the 3rd Friday, December 18.*

Remember to shop on Amazon Smile at <https://smile.amazon.com/ch/23-7072059>; and please consider volunteering for the Club. No experience necessary. Our Club and all the activities we do can't exist unless you volunteer.

73 until next time,

Mike Patterson, N6JGA
President

2016 OFFICER NOMINEES

Listed below are the positions and names of those running. The first five positions have only one person running for that office. The two positions for Director have a total of four candidates.

President: Mike Patterson, N6JGA

Vice President: Will Dickson, WB6YGJ

Secretary: Dick Fletcher, AF9RF

Treasurer: Cathi Walton, KJ6YNO

Emergency Coordinator: Ron Bunch, W4FEK

Director at Large (two positions):

1. Trevor Hall, WA6JAU (incumbent)
2. Mitchell Boyce, W8DOD (incumbent)
3. Bill Swindell, K1LED
4. David Molstad, WB0HNY

Please extend thanks to the members of the Nominating Committee, Jim NiCastro, KI6SDF, and Dave Piersall, N6ORB.

Thank you,

Janice Fujii, KG6VTD
2016 Nominating Committee

MOUNT DIABLO AMATEUR RADIO CLUB Board Meeting Minutes

Date September 14, 2015 Time 1900 Hours
Presided over by Board President Mike Patterson, N6JGA
Recorded by David Molstad WB0HNY, Board Secretary

The meeting was held at the Black Bear Diner , 700 Bancroft Rd Walnut Creek California Call or order 1900 Hours

I. Roll Call (of all attendees) names darkened not in attendance

Club Officers

Title	Name/Call	Email
President	Mike Patterson, N6JGA	president@mdarc.org
Vice President	Will Dickson, WB6YGJ	mailto:Vicepresident@mdarc.org
Secretary	David Molstad, WB0HNY	org
Treasurer	Bill Swindell, K1LED	mailto:K1LED@arrl.com
Emergency Communications Director	Ron Bunch, W4FEK	mailto:ron.races@arrl.com
Director at Large	Janice Fujii, KG6VTD	
Director at Large	Mitchell Boyce, W8DOD	
Director at Large	Trevor Hall, WA6JAU	
Director at Large	Francis O'Leary, KG6FRJ	

Committee Chairs and Positions

	Name/Call	Email
Auction	Bill Swindell, K1LED	k1led@arrl.net
Communications Trailer	Patrick Miller, KK6DBX	pm01386@gmail.com
Digital Media	Open	
Directory Coordinator	Jim Bunk, N6BHX	n6bh@arrl.net
Education and Training	John Primus, AF6RJ	af6rj@arrl.net
Field Day	Lauren Styles, WA6CIE	waf6cie@arrl.net
Good & Welfare Coordinator	Chuck Graham, KI6DCD	graham_chuck@gmail.com
Holiday Banquet /Coordinator	Misa Siemons, KJ6BUE	misa@siemons.com
License Testing	Larry Loomer, KI6LNB	larryloomer@yahoo.com

Membership Coordinator	Tom Deeble, KA6SIP	Ka2sip@arrl.net
Newsletter Editor	Mathew Vurek, N4DLA	N4dla_cs245@yahoo.com
Outreach Coordinator	Jim Siemons, AF6PU	Siemons@me.com
PACIFICON	Trevor Hall WA6JAU	wa6jau@sbcglobal.net
Public Service Coordinator	Pete Harris, KE6ZIW	pharris@comcast.net
Refreshment Coordinator	Elizabeth Styles, KG6HLV	
Scholarship	Ron Luttringer, K6XC	
Technical	Jim Siemons, AF6PU	Siemons@me.com
Youth Education	Open	

II. Approval of Minutes from last meeting David Molstad WB0HNY

Approved with edits

III. Officers Reports

- a) President Mike Patterson N6JGA
Mike will not be at Club Meeting this month
Will will officiate.
- b) Vice President Will Dickson, WB6YGJ
All Club Speakers booked through the end of the year
For September, Michael Lustig, KK6MRI, on Software Defined Radios
Finalizing PACIFICON speaker
- c) Secretary David Molstad WB0HNY
No Report
- d) Treasurer Bill Swindell, K1LED
Mike for Bill
MDARC balance, \$60,458.73
PACIFICON balance, \$33,895.48
Total account balances \$94,354.21

IV. Committee, Coordinator Reports

- a) Auction Bill Swindell, K1LED
No Report
- b) Communications Trailer Patrick Miller, KK6DBX
No Report

- d) Education and Training John Primus AF6RJ
General Class began Thursday August 6, 2015
Last General Class Thursday September, 24, 2015
Enrollment was 30
Attendance is averaging 16 per class
Elmer participation is averaging 11 per class
Larry Loomer, KI6LNB will conduct testing at
The Salvation Army facilities Thursday October 1, 2015
Annual MDARC/SATURN Instructional Team
Meeting scheduled for November 5, 2015
- e) Emergency Communications Ron Bunch W4FEK
No Report
- f) Field Day Lauren Styles WA6CIE
No Report
- g) Good and Welfare Chuck Graham KI6DCD
No Report
- h) License Testing Larry Loomer KI6LNB
No Report
- i) Membership Tom Deeble KA6SIP
No Report
- j) Outreach Jim Siemons AF6PU
Review of Membership Forms
Looking at Brochure for Club
- k) PACIFICON Trevor Hall WA6JAU
Meeting held last Tuesday
386 Registrants
Kit Prices
Good response from email blast
Gordon West, WB6NOA 45 min talk at breakfast
Bob Heil, Forum Reservations continuing
\$150 Headset contributed by Arlan Communications
is specifically for the contest to find the youngest ham at PACIFICON
Still working on broadsheet/rooms for Forums
Still working on other organizational concerns
Overall, looking good
All hotel rooms sold
- l) Public Service Pete Harris KE6ZIW
No Report
- m) Scholarships Ron Luttringer, K6XC
No Report

n) Technical Jim Siemons AF6PU
Mitchell Boyce W8DOD suggested using Google Voice
to eliminate phone charges on the hill.
Jim moved Club phone to Google Voice
ATV now DATV
Moved and installed DATV to North Peak
Removed analogue antenna
Good response from ATV community
Great options for sending signals up
All DATV broadcast.
DATV to be showed off at PACIFICON
Frequencies used for DATV looked OK to FCC
Negotiations with CommSite West continue.
DSTAR, Trevor working with Jim Moen K6JM.
DSTAR Gateway crashed
Jim M. donated new computer
Jim M. rebuilt gateway from scratch
All new routing paths plus other modifications
All up and running

o) Youth Education Open

p) Ad Hoc Reports

Nomination Committee Janice Fujii KG6VTD
One position remains open (Secretary)
There are nominees for all other positions
The candidates will be listed in the September Carrier

V) Old or unfinished business

a) Location for club documents

Keeping all club owned equipment and
documents in the Club storage locker

b) Club Long-term stability

Tabled until after PACIFICON

VI) New Business

Bylaws

Additional modifications proposed
Current Bylaws need to be met
prior to any further discussion

Annual Club Banquet

Zio Fraedo's
December 6, 2015
Bar at 1700
Dinner at 1800

VII) Meeting adjourned.

Map & Address for PACIFICON 2015 at the San Ramon Marriott Hotel



San Ramon Marriott Hotel
2600 Bishop Drive
San Ramon CA 94583
1-925-567-9200, 1-800-326-9200

Take Highway 680 to Bollinger Canyon Rd. exit
in San Ramon. Go east on Bollinger Canyon
Rd. First left onto Sunset Dr. Second left onto
Bishop Dr. About 1/4 mile to Hotel on left.
Parking is very limited. See instructions on website.

www.PACIFICON.org
EVENTS-SCHEDULES-REGISTRATION



**PACIFICON RETURNS
TO SAN RAMON**

PACIFICON 2015

P.O. Box 31872
Riverside Creek, CA 94595
E-mail: info@pacificon.org
(925) 943-9007

Toll-free: 1-877-660-1111 (FL 10/15) Next Day
1-877-660-1111 (FL 10/15) South Bay
See website for 1-800 & 900 1-877 Toll-free

www.PACIFICON.org
EVENTS-SCHEDULES-REGISTRATION

The American Radio Relay League Pacific Division



Pacificon returns to San Ramon!
The Ham Radio Convention
October 16, 17 & 18, 2015
San Ramon Marriott Hotel, San Ramon, CA

2015 EVENTS INCLUDE:

Outstanding Technical & EmComm Forums
Latest Ham Radio Equipment in Vendor Hall
Special Youth Kit Building
All Day Antenna Seminar
Opening Breakfast with Gordon West
Evening Banquet with Special Speaker
One Day Technician License Prep Class
Ham License Exams
Ham Radio 101/201 Seminar
Special Events Radio Station - Get On The Air
Great Swap Meet

TAKES PLACE AT THE:

**MARRIOTT
San Ramon**

ADMISSION: \$25 IN ADVANCE

(Some events are additional - see Registration Form)

An ARRL Pacific Division Convention - Produced by the
A.R. Diablo Amateur Radio Club (AED-URC)

www.PACIFICON.org
EVENTS-SCHEDULES-REGISTRATION

October 16-18 PACIFICON Amateur Radio Convention at the San Ramon Marriott Hotel, San Ramon CA



HAM RADIO OUTLET

14 STORE BUYING POWER!

ICOM



IC-7600 | All Mode Transceiver

- 100W HF/6m Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15kHz • 5.8 in WQVGA TFT display • Hi-res real time spectrum scope



IC-7200 | HF Transceiver

- 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanker • USB Port for PC Control



IC-7100 | All Mode Transceiver

- HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions



ID-5100A | VHF/UHF Dual Band Digital Transceiver

- Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

ID-51A | VHF/UHF Dual Band Transceiver

- 5/2.5/1.0/0.5/0.1W Output • RX: 0.52-1.71, 88-174, 380-479 MHz** • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible



KENWOOD



TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function



TM-D710G | 2M/440 Dualband

- V-V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions



TM-V71A | 2M/440 DualBand

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch



TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio

TH-F6A | 2M/220/440

- Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery



YAESU
The radio



FT-991 | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz - SSB/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP



FTDX1200 | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



FT-450D | A100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift



FTM-400DR | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

FT-60R | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



5 Ways to Shop!

- RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE - Toll-free phone hours 9:30AM - 5:30PM
- FAX - All store locations
- ONLINE - WWW.HAMRADIO.COM
- MAIL - All store locations

ANAHEIM, CA
(800) 854-6046

OAKLAND, CA
(877) 892-1745

SUNNYVALE, CA
(877) 892-1749

PORTLAND, OR
(800) 765-4267

PHOENIX, AZ
(800) 559-7388

WOODBIDGE, VA
(800) 444-4799

PLANO, TX
(877) 455-8750

BURBANK, CA
(877) 892-1748

SAN DIEGO, CA
(877) 520-9623

NEW CASTLE, DE
(800) 644-4476

DENVER, CO
(800) 444-9476

ATLANTA, GA
(800) 444-7927

SALEM, NH
(800) 444-0047

ONLINE STORE
WWW.HAMRADIO.COM

New Store!

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.



The Carrier

Newsletter of the Mt. Diablo Amateur Radio Club

P.O. Box 23222

Pleasant Hill, CA 94523

www.mdarc.org

FIRST CLASS

THIS MONTH...



<https://www.facebook.com/mdarc.org>

W6CX Nets

Monday 7:00 pm Washington High School Net 147.060+

Monday 8:00 pm SATERN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Amateur Television Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

FM 147.060 MHz + / PL 100Hz - EchoLink: W6CX-R/133896, IRLP: 3057
224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

D-STAR 145.000 offset plus 2.5 MHz

<https://w6cx.dstargateway.org/> Digital ATV Output 1244.500
Digital ATV Input 1292.500

ATV Inputs: 1289.25 MHz AM; 1270.000 FM pl 192.8 915.0 AM 427.0 AM

ATV Internet Stream: <http://www.w6cxatv.net/live>

Contra Costa County Emergency Communications Nets

Every Thursday

<http://www.coco-races.org/meetings/nets/>

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 146.355+ (77.0 PL)

7:20 pm Countywide 145.490-- (107.2 PL)

or 147.735+ (107.2 PL)

or 145.410 -- (107.2 PL)

Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

October and November 2015 Club Calendar

Friday October 17, 2015 7:30pm

MDARC General Meeting - AT PACIFICON !

Marriott Hotel, 2600 Bishop Drive, San Ramon

Monday November 2, 2015 7:00 pm

MDARC Board Meeting

Black Bear Restaurant, 700 Bancroft Avenue, Walnut Creek

Saturday November 7, 2015 8:00 am

MDARC Technical Committee

Environmental Center, 2581 Harbor Street, Pittsburg

Friday November 20, 2015 7:30pm

MDARC General Meeting

Our Saviors Lutheran Church, 1035 Carol Lane, Lafayette